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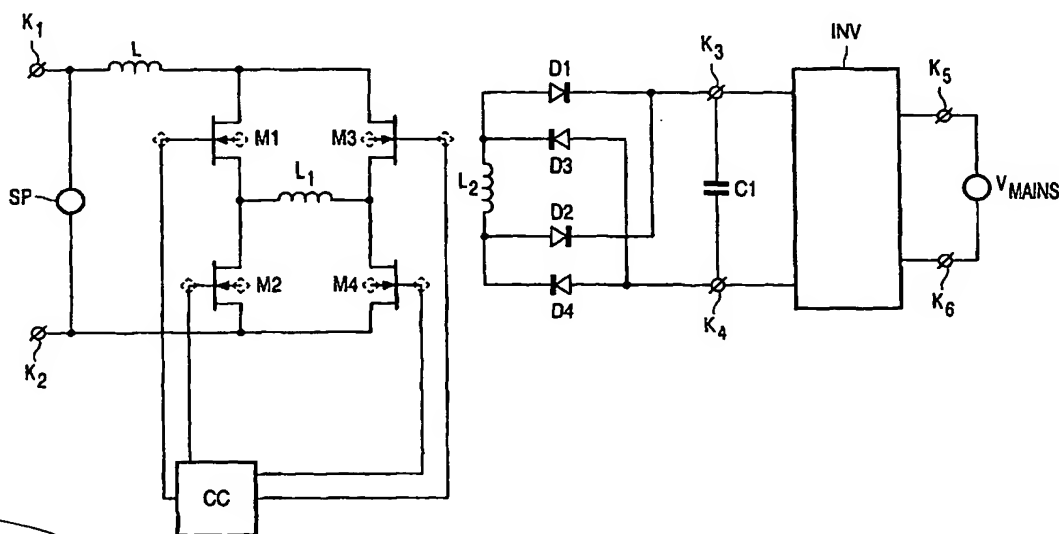
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(54) Title: DC-DC-CONVERTER



(57) Abstract: In a solar power system a boost converter is used comprising a choke and a transformer. Alternately the choke is boosted in a first time interval while power transfer is taking place in a second time interval by means of the transformer. When the input voltage supplied by a solar panel is increased the first time interval is decreased while the second time interval is increased. As a result the boost converter can handle a wide range of input voltages.